



CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

NABL - Accredited Laboratory as per ISO / IEC-17025 :2005



Job No.: CTCE/BBMP/W.No.10/KRK/CSR-10/652h/CEMENT/2014-15

Date: 18.10.2014

TEST REPORT ON CEMENT



* CUSTOMER	:	Asst. Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.
* AGENCY	:	Mr. K. Ramesh Kumar No. 1438, Nagappa Block, 1 st Main, Bangalore.
* NAME OF THE WORK	:	Providing CC Roads at G. Krishna Murthy House Road Opp. Venugopalaswamy Temple in Ward No. 10 (Doddabommasandra), Vidyaranyapura Sub Division, BBMP, Bangalore.
REFERENCE	:	AEE/BBMP/VRPSD/PR/332/1/2014-15 Dated: 15.10.2014
SAMPLE ID	:	Cement
SAMPLE RECEIVED ON	:	15.10.2014
PERIOD OF TESTING	:	15.10.2014 to 18.10.2014

The results of the tests conducted on the cement sample are as follows:

Sl. No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 8112-2013
1	Standard Consistency	IS-4031 (Part -4) 1988(RA-2009)	30.00 %	-
2	a) Initial Setting Time	IS-4031 (Part -5) 1988(RA-2009)	190 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part -5) 1988(RA-2009)	475 Minutes	Not More than 600 Minutes
3	Soundness by Le Chartier Method	IS-4031 (Part-3) 1988(RA-2009)	1 mm	Not more than 10mm

*Information is furnished by the Customer/Representative.

Note:

- ⇒ The report shall not be reproduced, except in full, without the written approval of the laboratory.
- ⇒ The results indicated above are based on the tests carried out on the samples received in the laboratory.
- ⇒ Any Query regarding the report must be reported within 30 days from the date of testing.

P. 18/10/14
AE-10

VISHWANATH. I.A.
Chief Executive Officer

#23/14, 7th Cross, 3rd Stage, 4th Block, Shakthi Ganapathi Nagara, Basaveshwaranagar, Bangalore-79.

Tele Fax : 23223227, Website : www.civiltechconsultants.com

E-mail : vishwanath.ia@civiltechconsultants.com / info@civiltechconsultants.com



CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

NABL - Accredited Laboratory as per ISO / IEC-17025 :2005



Job No.: CTCE/BBMP/W.No.10/KRK/CSR-10/652h/SAND-Gradation/2014-15

: 18.10.2014

TEST REPORT ON DETERMINATION GRADATION OF FINE AGGREGATES

* **Customer** : Asst. Executive Engineer, Vidyanarayapura Sub Division, BBMP, Bangalore.

* **Agency** : Mr. K. Ramesh Kumar
No. 1438, Nagappa Block, 1st Main, Bangalore.

* **Name of Work** : Providing CC Roads at G. Krishna Murthy House Road Opp. Venugopalaswamy Temple in Ward No. 10 (Doddabommasandra), Vidyanarayapura Sub Division, BBMP, Bangalore.

Reference : AEE/BBMP/VRPSD/PR/332/1/2014-15 Dated: 15.10.2014

Technical Reference : IS : 2386 Part 1 - 1963 RA-2007

Sample ID : Fine Aggregates

Sample Received on : 15.10.2014

Date of Testing : 18.10.2014



Total Wt. of Aggregates in gms **1000**

Is Sieve Size in mm	Cumulative Weight Passing in %	Spec.Limits as per IS 383-1970 (RA- 2007)			
		Zone-I	Zone-II	Zone-III	Zone-IV
10	100	100	100	100	100
4.75	95.40	90-100	90-100	90-100	95-100
2.36	77.60	60-95	75-100	85-100	95-100
1.18	56.20	30-70	55-90	75-100	90-100
600 Micron	37.90	15-34	35-59	60-79	80-100
300 Micron	12.70	5-20	8-30	12-40	15-50
150 Micron	2.90	0-10	0-10	0-10	0-15

* Information is furnished by the Customer/Representative

Remarks : This sample is under Zone-II specific limits.

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

VISHWANATH. I.A.
Chief Executive Officer





CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

NABL - Accredited Laboratory as per ISO / IEC-17025 :2005



Job No.: CTCE/BBMP/W.No.10/KRK/CSR-10/652h/AGG/GR/2014-15

: 18.10.2014



TEST REPORT ON COARSE AGGREGATES

* **Customer** : Asst. Executive Engineer, Vidyananyapura Sub Division, BBMP, Bangalore.

* **Agency** : **Mr. K. Ramesh Kumar**
No. 1438, Nagappa Block, 1st Main, Bangalore.

* **Name of Work** : Providing CC Roads at G. Krishna Murthy House Road Opp. Venugopalaswamy Temple in Ward No. 10 (Doddabommasandra), Vidyananyapura Sub Division, BBMP, Bangalore.

Reference : AEE/BBMP/VRPSD/PR/332/1/2014-15 Dated: 15.10.2014

Technical Reference : IS : 2386 Part 1 -1963 RA-2007

Sample ID : Coarse Aggregates (40mm)

Sample Received on : 15.10.2014

Date of Testing : 18.10.2014

Total Wt. of Aggregates in gms= 10000

Is Sieve Size in mm	Cumulative Weight Passing in %	Spec.Limits as per IS 383-1970 (RA- 2007)	
		Graded	Single Sized
80	100	100	-
63	100	-	100
40	96.05	95-100	85-100
20	48.93	30-70	0-20
10	12.68	10-35	0-5
4.75	1.82	0-5	-

* Information is furnished by the Customer/Representative

Remarks : This sample is under Graded specific limits.

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory
3. Any Query regarding the report must be reported within 30 days from the date of testing.

VISHWANATH. I.A.
Chief Executive Officer



#23/14, 7th Cross, 3rd Stage, 4th Block, Shakthi Ganapathi Nagara, Basaveshwaranagar, Bangalore-79.

Tele Fax : 23223227, Website : www.civiltechconsultants.com

E-mail : vishwanath.ia@civiltechconsultants.com / info@civiltechconsultants.com



CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

NABL - Accredited Laboratory as per ISO / IEC-17025 :2005



Job No.: CTCE/BBMP/W.No.10/KRK/CSR-10/652h/CUBE/2014-15

24.11.2014

TEST REPORT ON CONCRETE CUBES



* Customer : Asst. Executive Engineer, Vidyananyapura Sub Division, BBMP, Bangalore.

* Agency : Mr. K. Ramesh Kumar
No. 1438, Nagappa Block, 1st Main, Bangalore.

* Name of the work : Providing CC Roads at G. Krishna Murthy House Road Opp. Venugopalaswamy Temple in Ward No. 10 (Doddabommasandra), Vidyananyapura Sub Division, BBMP, Bangalore.

Reference : AEE/BBMP/VRPSD/PR/332/1/2014-15 Dated: 15.10.2014

* Sample ID : Covering Slab Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm²

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

* Grade of Concrete : M₂₀

Compressive Strength as on : 28th day

Sample Received on : 22.11.2014

Sl.No.	* Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm ²)
1	27.10.2014	24.11.2014	8.086	471.5	20.96
2	27.10.2014	24.11.2014	8.124	483.6	21.49
3	27.10.2014	24.11.2014	8.186	498.7	22.16

* Information is furnished by the Customer/Representative

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

VISHWANATH. I.A.
Chief Executive Officer





CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

NABL - Accredited Laboratory as per ISO / IEC-17025 :2005



Job No.: CTCE/BBMP/W.No.10/KRK/CSR-10/652h/CUBE/2014-15



27.11.2014

TEST REPORT ON CONCRETE CUBES

* **Customer** : Asst. Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.

* **Agency** : **Mr. K. Ramesh Kumar**
No. 1438, Nagappa Block, 1st Main, Bangalore.

* **Name of the work** : Providing CC Roads at G. Krishna Murthy House Road Opp. Venugopalaswamy Temple in Ward No. 10 (Doddabommasandra), Vidyaranyapura Sub Division, BBMP, Bangalore.

Reference : AEE/BBMP/VRPSD/PR/332/1/2014-15 Dated: 15.10.2014

* **Sample ID** : Road Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm²

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

* **Grade of Concrete** : M₂₀

Compressive Strength as on : 28th day

Sample Received on : 22.11.2014

Sl.No.	* Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm ²)
1	30.10.2014	27.11.2014	8.146	478.5	21.27
2	30.10.2014	27.11.2014	8.267	494.6	21.98
3	30.10.2014	27.11.2014	8.382	511.7	22.74

* Information is furnished by the Customer/Representative

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 30 days from the date of testing.



Vishwanath I.A.
VISHWANATH. I.A.
Chief Executive Officer



CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

NABL - Accredited Laboratory as per ISO / IEC-17025 :2005



Job No.: CTCE/BBMP/W.No.10/KRK/CSR-10/652h/CUBE/2014-15

28.11.2014

TEST REPORT ON CONCRETE CUBES



* Customer : Asst. Executive Engineer, Vidyanarayapura Sub Division, BBMP, Bangalore.

* Agency : Mr. K. Ramesh Kumar
No. 1438, Nagappa Block, 1st Main, Bangalore.

* Name of the work : Providing CC Roads at G. Krishna Murthy House Road Opp. Venugopalaswamy Temple in Ward No. 10 (Doddabommasandra), Vidyanarayapura Sub Division, BBMP, Bangalore.

Reference : AEE/BBMP/VRPSD/PR/332/1/2014-15 Dated: 15.10.2014

* Sample ID : Road Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm²

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

* Grade of Concrete : M₂₀

Compressive Strength as on : 28th day

Sample Received on : 22.11.2014

Sl.No.	* Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm ²)
1	31.10.2014	28.11.2014	8.232	483.5	21.49
2	31.10.2014	28.11.2014	8.368	502.7	22.34
3	31.10.2014	28.11.2014	8.429	523.6	23.27

* Information is furnished by the Customer/Representative

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

VISHWANATH. I.A.
Chief Executive Officer

